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Proposed Adhesion Models Based on the X-ray Studies of N- and E-Cadherins

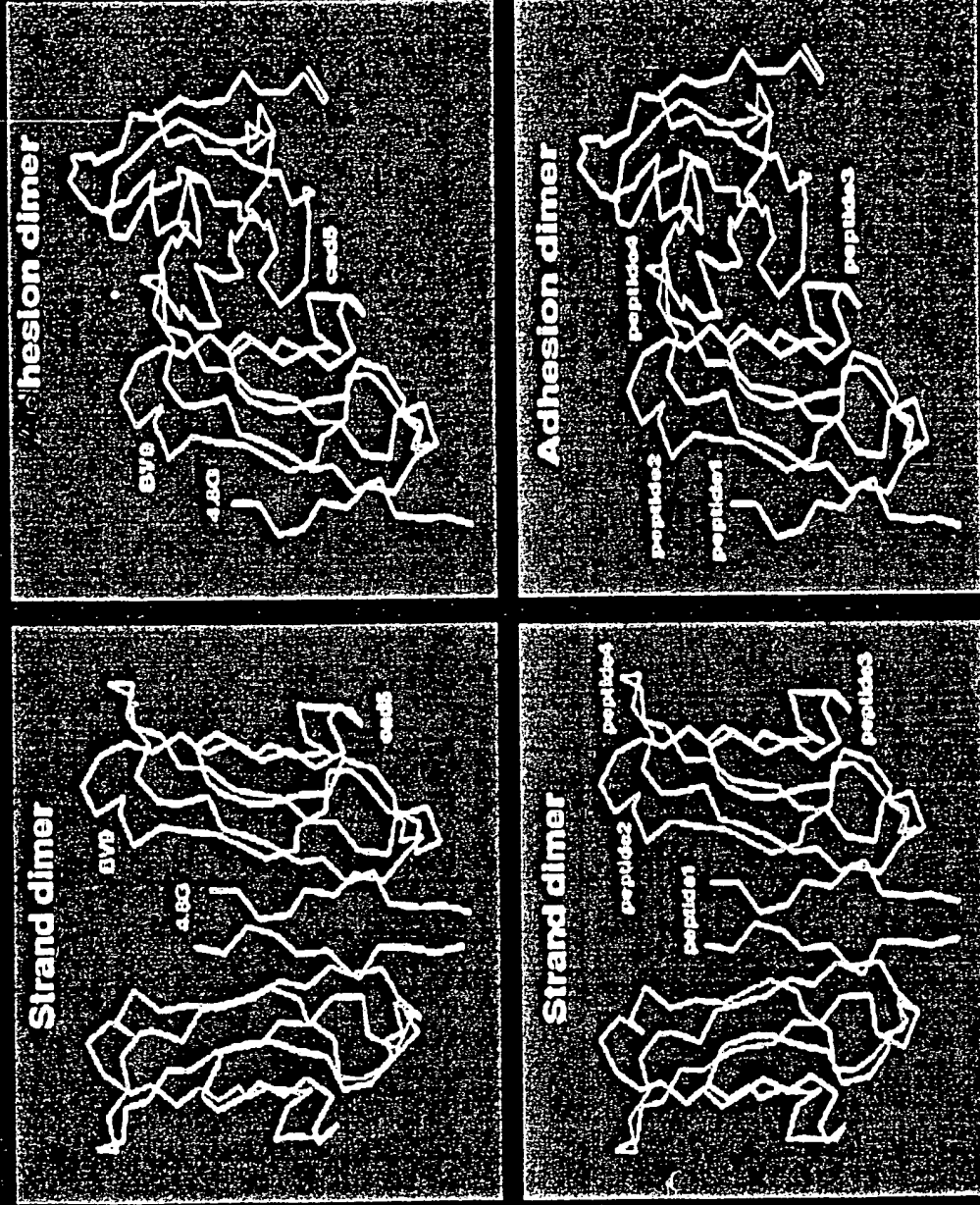
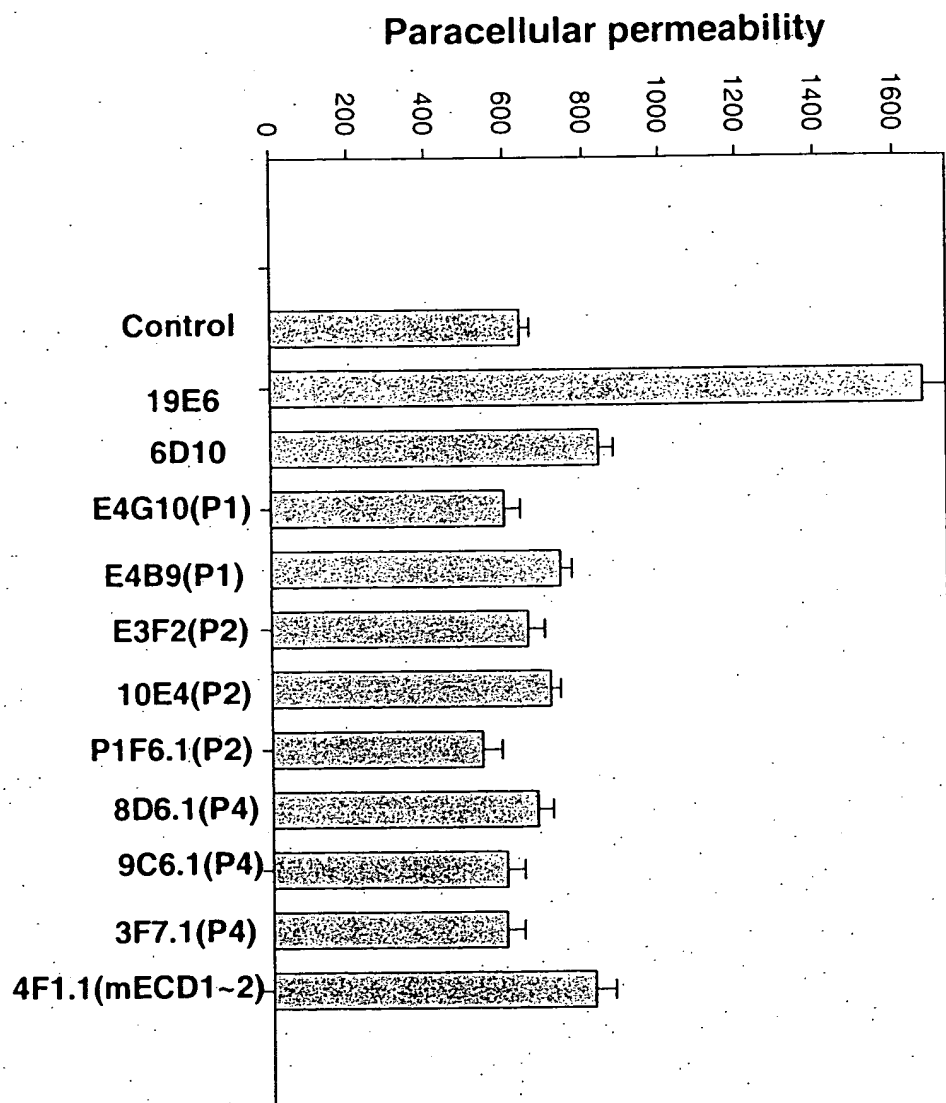


FIG. 1

Sequence Alignment of ECD1 of Four Classic Cadherins

	4.8G	BV9	Cad5	
	DWIPPIPLPENSRGPFPPQELVRI RSDRDKNLSLRYSVTGP GADQPPTGIFINP			mNC
	DWIPPI SCPENEGEFPPKNLVQIKSNRDKETKVFYSITGQGADKPPVGVFI ER			mEC
	DWIWNQMHI DEEKN TSLPHHV GKI KSSVSRK - NAKYLLKGEYV GK - - - - VERVDA			hVEC
	<u>DWIWNQMHI DEEKNESLPHYV - KDQSNVNRQ - NAKYVLQGEFAGK - - - - IFGVDA</u>			mVEC
Peptide 1		Peptide 2	Peptide 3	
	ISGQLSVTKPLDREL IARFHLRAH AVDIN - GNOVENPIDIVINVIDMNDNRPEF			mNC
	ETGWLKV TQPLDREA IAKYILYSHAVSSN - GEAVEDPMEIVITVTDQNDNRPEF			mEC
	<u>ETG DVF A IERLDRENI SEYHLTAVI VDKDTGENLETPSSFTIKVHDVNDNWPVE</u>			hVEC
	NTGNVLA YERLDREKVSEYFLTAL IVDKNTNKNLEQPSSTTVKVHDINDNWPVF			mVEC
		Peptide 4		

Effects of the anti-ECD1 Peptides Antibodies on Paracellular Permeability of H5V cells



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The Effects of Three Anti-murine VE-cadherin mAb on Vascular Permeability in Mice

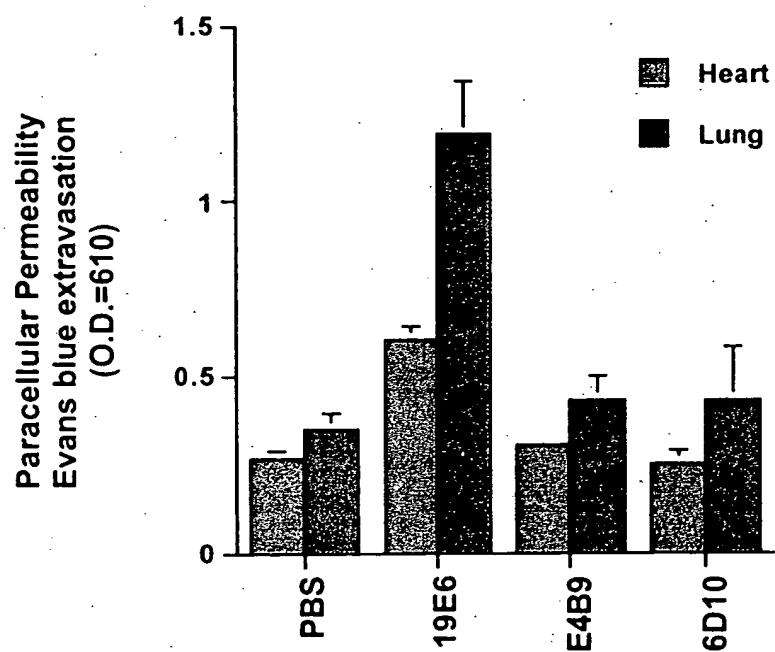


Fig 4

**Effect of anti-VE-cadherin mAb 19E6 on
b-FGF-induced neovascularization in
mouse corneal micropocket assay**



Rat IgG1



19E6

Quantification of the Effects of Three Anti-murine VE-cadherin mAb on Inhibiting Angiogenesis *in vivo* (mouse Corneal micropacket assay)

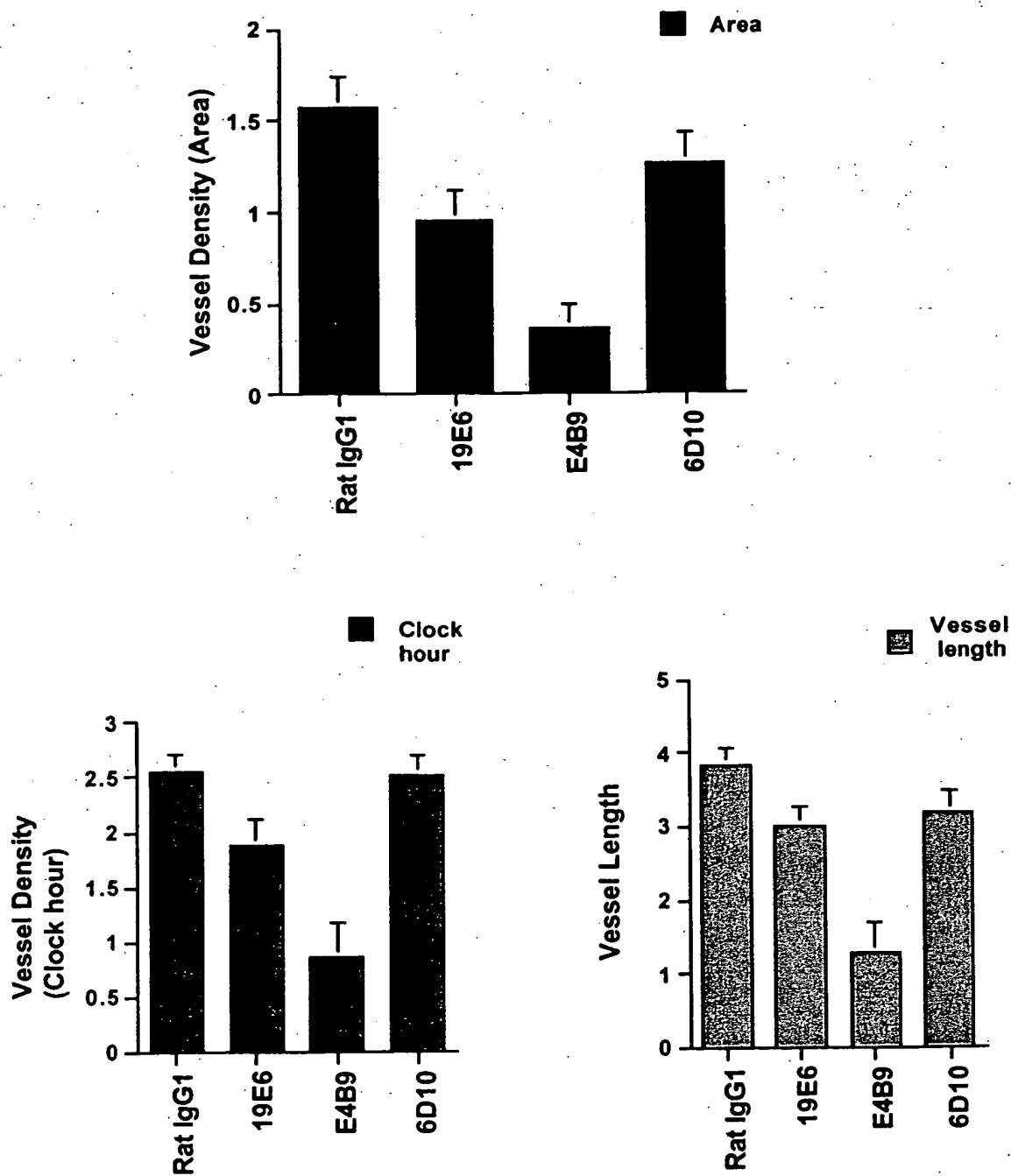


Fig. 5B